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MANGOTSFIELD URBAN DISTRICT COUNCIL.

ANNUAL REPORT
of
MEDICAL OFFICER OF HEALTH
for the year
1946

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Council Offices,
Staple Hill,
Bristol.

MANGOTSFIELD URBAN DISTRICT

comprising;— Downend, Soundwell and Mangotsfield wards.

Chairman of the Council;—

Mr. H.Wren.

Vice-Chairman of the Council;—

Mr. B.J.Woodhall.

Members of the Council;—

Mrs H. Smith.
Miss C.M.Gapper.
Mr. F. Banks.
Mr. A. Beazer.
Mr. E.P.Birt.
Mr. J.R.Bizley.
Mr. H.C.Bracey.
Mr. H.G.Harris.
Mr. W. Hathway.
Mr. J.Sheppard.
Mr. W. Hughes.
Mr. F. Cowles.
Mr. R.E.G.Powell.

Clerk to the Council;—

Mr. F. Wallace.

Public Health Staff;—

Medical Officer of Health. Dr. James Menzies Cormack.
(who is combined MOH to the South M.B., Ch.B., D.P.H., D.P.A.
Gloucestershire Combined
(MOH) Districts).
Sanitary Inspector & Surveyor. Mr. F. Alan Long. M.I.Mun.E.,
A.R.I.C.S., M.S.I.A.,
Cert R.S.I.

Clerical Assistants;—

Mr. D.S.Cross.
Mr. G.D.Howell.(H.M.Forces).

A. STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

i. General Statistics.

Area	1553 acres.
Population (Registrar-General's estimate mid 1946)	16,560
Number of inhabited houses December (Rate Books).....	4,700
Estimated number of houses void in December	Nil.
Rateable Value	£71,960
Sum represented by 1d rate	£ 276

The population of the district continues to increase and has now reached 16,560, an increase of 790 over the 1945 estimate.

ii. Social Conditions.

There has been no important change in the industries carried out in the area. The following indicates the nature of the chief trades carried out;:-

Boot and Shoe Making.	Baking & Confectionery.
Motor repairing.	Cardboard Box Making.
Printing.	Laundering.
Clothing.	Building.
Saw Mill, Joinery and Ladder Making.	

iii. Extracts from Vital Statistics for the year 1946.

	Total.	M.	F.
Live Births.- Legitimate.	286	145	141
Illegitimate.	16	14	2
Still Births.- Legitimate.	10	3	7
Illegitimate.	-	-	-

Deaths;:-

Birth rate (per 1000 estimated resident population mid 1946)	18.2
Birth Rate for England and Wales	19.1
Still Birth rate (per 1000 estimated resident population mid 1946). .6	
Death Rate (per 1000 estimated resident population mid 1946).....	10.
Death Rate per 1000 for England and Wales	11.5
Death Rate per 1000 for Mangotsfield '39	11.6

Deaths from Puerperal Causes	Nil.
" " Cancer (all Ages)	28
" " Measles (all ages)	Nil.
" " Whooping Cough(all ages) ..	Nil.
" " Diarrhoea (under 2 yrs)....	1

CAUSES OF DEATHS.

Year 1946.

Causes of Deaths.	ages.	-1	1-	5-	15-	25-	45-	65-	75-	Total.
1. Typhoid and paratyphoid fevers.	-									
2. Cerebro-Spinal Fever.	2.									
3. Scarlet Fever.	3.									
4. Whooping Cough.	4.									
5. Diphtheria.	5.									
6. Tuberculosis of respiratory system.	6.									
7. Other forms of Tuberculosis.	7.									
8. Syphilitic disease	8.									
9. Influenza.	9.									
10. Measles.	10.									
11. Acute Poliomyelitis & Poliioencephalitis.	11.									
12. Acute infectious encephalitis	12.									
13. Cancer of buccal cavity & oesophagus (Males only)	13.									
14. Cancer of uterus.	14.									
15. Cancer of Breast.	15.									
16. Cancer of all other sites.	16.									
17. Diabetes.	17.									
18. Intra-Cranial Vascular lesions.	18.									
19. Heart Disease.	19.									
20. Other diseases of the circulatory system.	20.									
21. Bronchitis.	21.									
22. Pneumonia.	22.									
23. Other Respiratory diseases.	23.									
24. Ulceration of the stomach or duodenum.	24.									
25. Diarrhoea (under 2yrs of age).	25.									
26. Appendicitis.	26.									
27. Other Digestive diseases.	27.									
28. Nephritis.	28.									
29. Puerperal and post-abortive sepsis.	29.									
30. Other Maternal causes.	30.									
31. Premature Birth.	31.									
32. Congenital malformations, birth injury, infantile dis-	32.									
33. Suicide.	33.									
34. Road Traffic Accidents.	34.									
35. Other violent causes.	35.									
36. All other causes.	36.									
	1	1	2	3	1	5				13.

B.

GENERAL PROVISION OF HEALTH SERVICES OF THE AREA.i. Public Health Staff.

A list of Public Health Officers is set out on the front page of this report.

ii. Public Health Services.(a) Laboratory Services.

Examinations of Sputa, Swabs and blood are carried out by the Department of Preventive Medicine Bristol University, through an arrangement with the County Council.

(b) Ambulance Facilities.

The St. Johns Ambulance Brigade and the Bristol City and Marine Ambulance Corps continue to serve the district for accidents and ordinary cases. Their service is efficient and satisfactory, and is adequate for the needs of the area. For cases of infectious diseases the ambulance of the Mangotsfield and Warmley Joint Hospital Committee is also used.

iii. Hospitals.

Table shown below gives details of patients treated in hospital.

Hospital.	Number of patients	Total number of days.	Average no. of days per patient.
<u>Mangotsfield Isolation.</u>			
Scarlet Fever	4	137	34.25
Diphtheria.	-	-	-
Erysipelas	2	10	5
Measles	1	13	13
<u>Ham Green.</u>			
Meningitis	1	13	13
Diphtheria	1	18	18
Pneumonia	1	21	21
Enteritis	1	6	6
Whooping Cough ...	1	28	28

C. SANITARY CONDITIONS OF THE AREA.

1. WATER SUPPLY.

Supply; West Gloucestershire Water Company.

Analysis of sample of Shipton Moyne -Consumers House tap - chlorinated water taken 7th Jan 47.

Chemical results expressed in parts per million.

Appearance ... Bright with very slight flocculent deposit of mineral debris.

Turbidity (Silica Scale) less than 5

Colour (Hazen) ...	Nil.	Odour ...	Nil.
Reaction, pH ...	Neutral, 7.3	Free Carbon Dioxide	20.
Electric conductivity at 20° C	610.	Alkalinity as CaCO ₃	245.

Ca.	Mg.	Na.	CO ₃	SO ₄	Cl	NO ₃	SiO ₂	Probable combinations.
79	9	-	147	44	47	Nil	16	
79	9		118					Calcium Carbonate 197
			22					Magnesium " 31
	5		7					Sodium Carbonate 12
21				44				Sodium Sulphate 65
30					47			Sodium Chloride 77
						16		Silica 16
								Difference 9
								Total solid constituents dried at 180° C 407

Hardness total .. 230 Carbonate (Temporary) .. 230 Non-Carbonate (permanent) .. 0
 Nitrogen in Nitrates 0.0 Nitrogen in Nitrites less than 0.01
 Free Ammonia 0.20 Free Chlorine Absent
 Albuminoid Ammonia 0.000 Oxygen absorbed in 4 hrs
 at 270 C 0.00
 Metals, iron 0.26 Other metals absent.

BACTERIOLOGICAL RESULTS.

No of Colonies developing on Agar per cc or ml in.	{	1 day at 37°	2 days at 37°	3 days. 20°
		o	o	o

Presumptive Coliform Reaction. Present in.. - Absent from .. 100 ml

Bact. coli. " " - " " 100 ml

Cl. welchii Reaction ... " " - " " 100 ml

(Taken by Mr. Gordon Miles,

Counties Public Health Laboratories.

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2. DRAINAGE AND SEWERAGE.

During 1946, 73 new houses were connected to the sewers.

3. RIVERS AND STREAMS.

No special action was necessary during the year.

3/ i. CLOSET ACCOMMODATION.

Water Carriage system is general throughout the district ther only being a few exceptions in outlying positions.

ii. PUBLIC CLEANSING.

The whole district is regularly scavanged weekly, and a regular Salvage Scheme in operation.

iii. SANITARY INSPECTIONS OF THE AREA.

(a) (a)	Inspections made	63
{b}	Nuisances discovered or reported	3
{c}	" " (swine only)	-
{d}	Informal notices sent.	30
{e}	Statutory notices sent	3
{f}	Summons issued	-
{g}	Convictions obtained	-
{h}	Number of houses disinfected	6
{i}	Method of disinfection used	Fumiform.
(b)	Premises or occupations subject to Statutory Control.	
(a)	Factories. Number inspected.....	14
	Number of inspections ..	14
	Action taken under Factories act, 1937; - ..	-
(b)	Factories (Non Mechanical power) Number inspected; -	10
	Number of inspections...	10
	Action taken	-
(c)	Bakehouses. Number inspected	8
	Number of inspections...	8
	Action taken	-
(d)	Offensive trades. Number inspected; -	Nil.
	Number of inspections...	-
	Action taken.	-
(e)	Outworkers residences. Number inspections	Nil.
(f)	Canal Boats etc. " "	Nil.
(g)	Dairies, Cow Sheds, Milk Shops etc. Number inspected.....	13
	Number of inspections...	15
	Action taken.	1

D. HOUSING.

73 buildings were completed during the year.

E. INSPECTION AND SUPERVISION OF FOOD.

(a) Milk Supply.

The Sanitary Inspector keeps a Register of Milk producers and milk retailers, and he inspects dairies, shops etc and takes samples of milk for bacterial content and tubercle bacilli.

(b) Meat and other foods.

The slaughtering of animals is mainly carried out at the Central Abattoir, Bristol, instead of the private slaughter houses as in pre-war years.

F. PREVALENCE OF, AND CONTROL OF, INFECTIOUS AND OTHER DISEASES.

(a) Diphtheria.

The Diphtheria Immunisation Scheme is still in force and being administered by the Gloucestershire County Council. School children are treated in schools, and children under school age at the Soundwell Clinic. Immunisation in relation to child population.

Age at 31.12.46.	-1	1-	2-	3-	4-	5-9	10-14	Total	-15
No. Immunised.	28	85	209	155	148	1160	869		2654.

(b) Table showing the incidence of infectious diseases in the wards.

Disease.	Downend.	Soundwell.	Mangotsfield.
Scarlet Fever.	4	2	-
Diphtheria.	-	-	-
Enteric Fever.	-	-	-
Pneumonia.	1	2	-
Erysipelas.	-	-	-
Measles.	19	2	4
Whooping Cough.	4	4	-
Dysentry.	1		
Totals.	29	8	4

SHOPS AND OFFICES.

No action was taken under the Shops Act, 1934 or the Public Health Act 1936.

No new shops were constructed during the year.

SMOKE ABATEMENT.

{a} Observations made;-	3
{b} Complaints received;-	1
{c} Notices served and nuisance abated	1

SWIMMING POOLS.

There are no swimming baths or pools in the district.

ERADICATION OF BED BUGS.

(a) Number of Council Houses found to be infected;-	1
(b) Number of Council Houses disinfected ...	1
(c) Number of other houses found to be infected;-	2
(d) Number of other houses disinfected;- ...	3

Table showing incidence of infectious diseases in age groups.

Disease.	-1	1-	2-	3-	4-	5-	10-	15-	20-	35-	45-	65-	Total.
Small Pox.													6
Scarlet Fever.													3
Pneumonia.													1
Dysentery.													23
Measles.	2	2	1	3	1	15							8
Whooping Cough.	1						5						

No cases of the following diseases were notified during 1946:-

Enteric Fever.
 Streptococcal Meningitis.
 Poliomyelitis.
 Encephalitis Lethargica.
 Polioencephalitis.
 Puerperal Pyrexia
 Puerperal Fever.
 Cerebro Spinal Fever.
 Mastoids.
 Ophthalmia neonatorum.

TUBERCULOSIS.

(i) There were 12 new cases reported during the year.

(ii) There were 6 deaths during the year, 5 being pulmonary, and 1 non-respiratory.

The following tables show sex, and ages of the new cases notified during the year.

Age.	Respiratory.		Non -Respiratory.	
	M.	F.	M.	F.
5-		2		
15-		2	2	2
25-			2	
35-				
55-		2		
65-				
<u>Total;</u>	6		4	2

